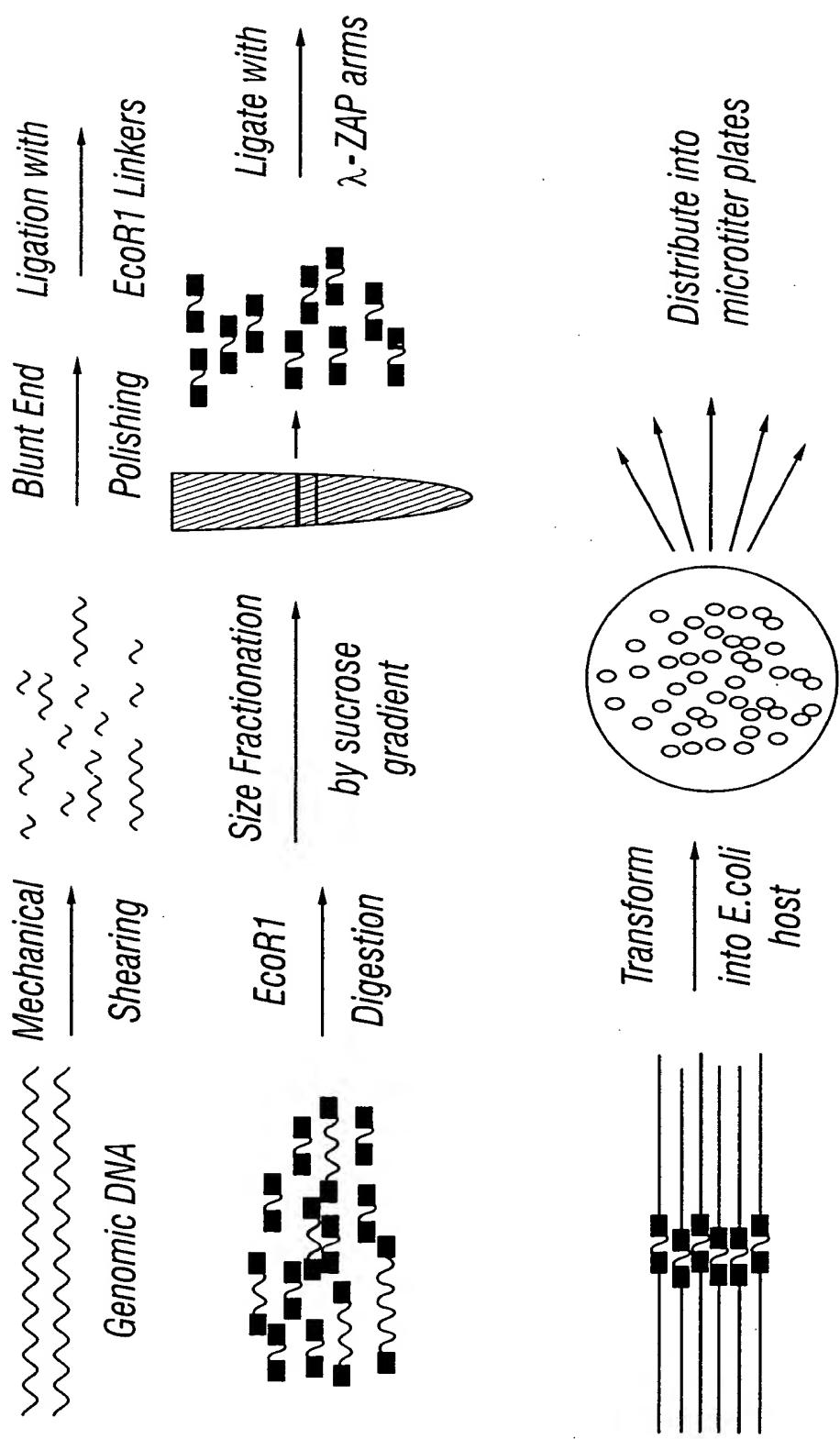


FIG. 1

FIGURE 2: GENE CLONING



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FIG. 2

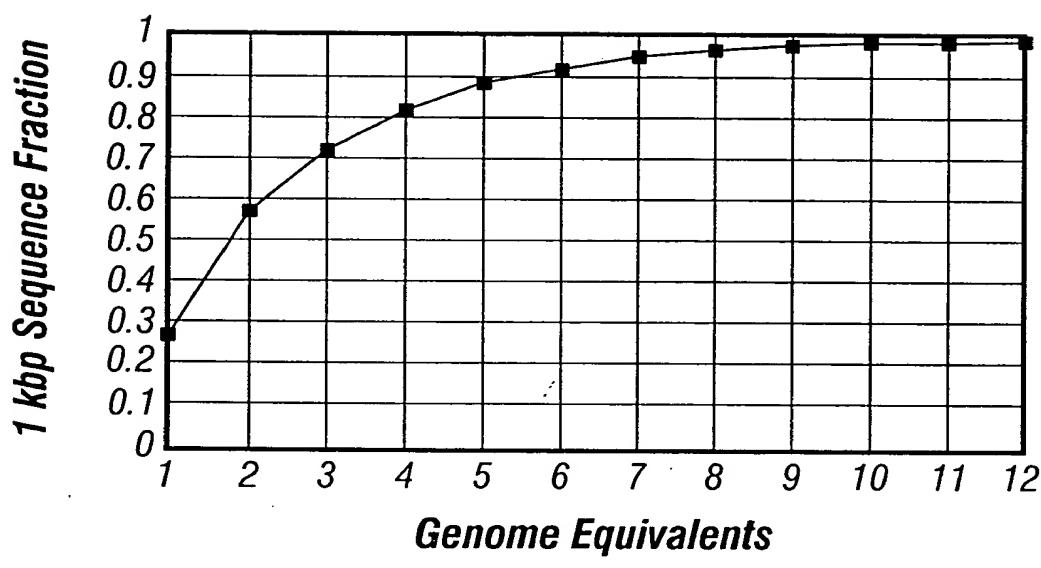


FIG. 3

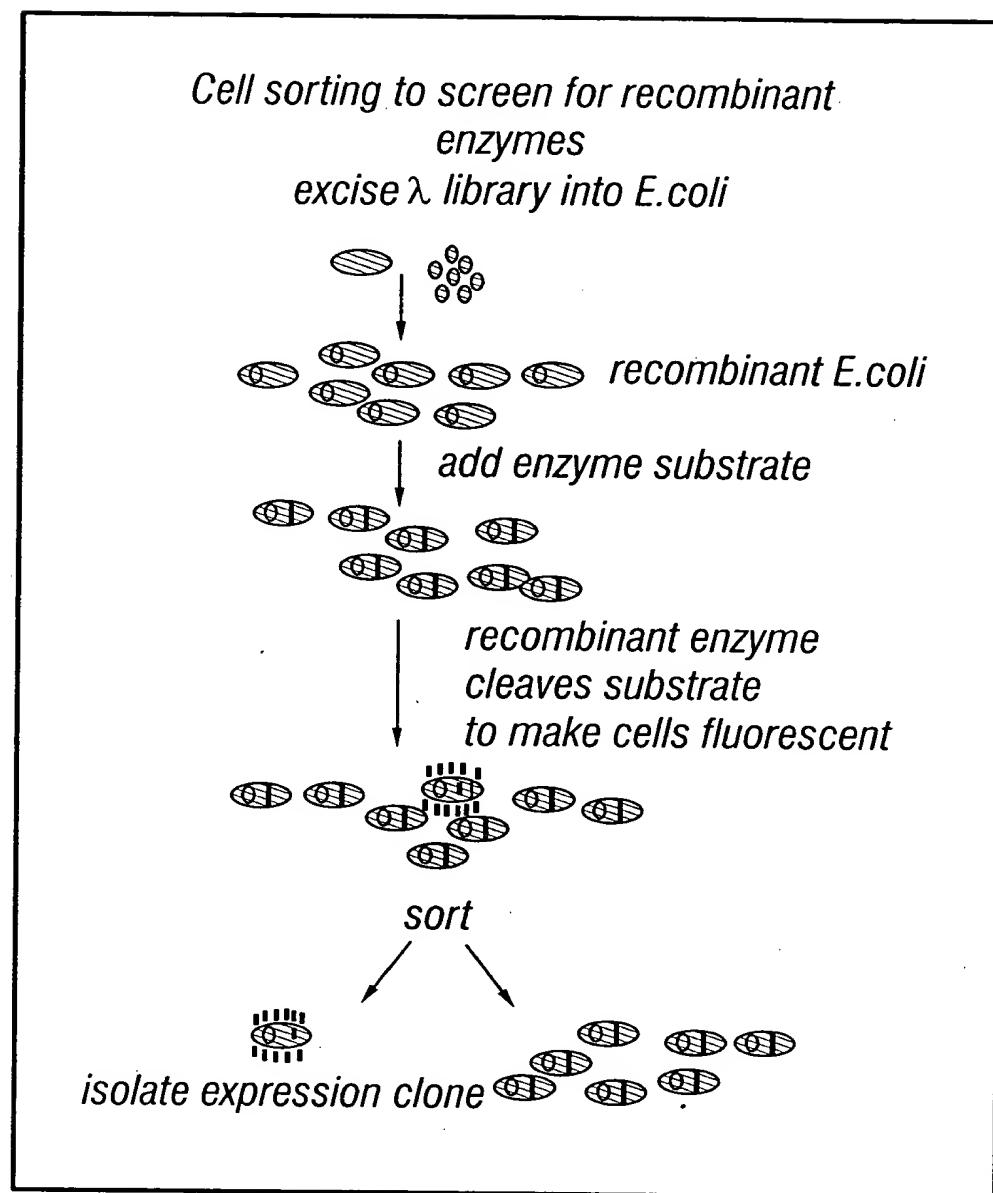


FIG. 4

β -Gal clone with different substrates

- *cells were stained with FDG, CMFDG or C12FDG, incubated for 30 min. at 70°C, spotted onto a slide and exposed to UV light.*
- *bright spot indicates staining of cells*

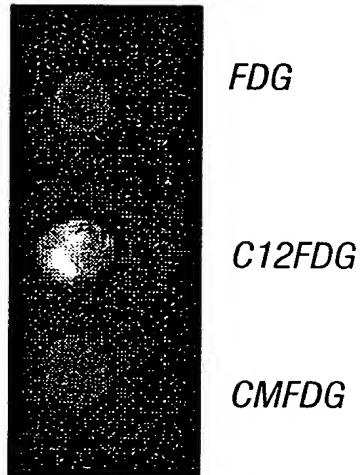


FIG. 5

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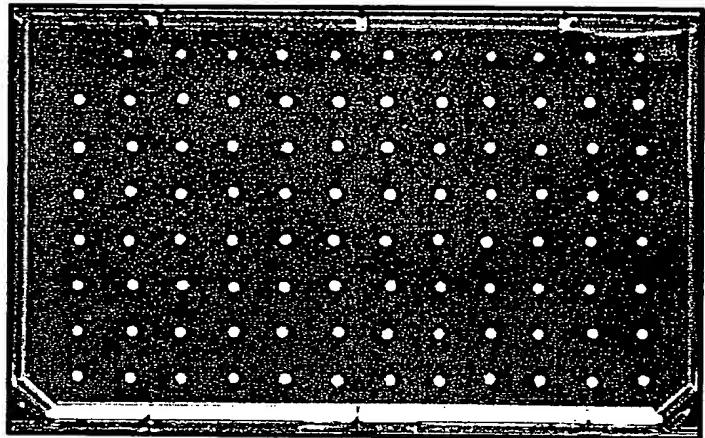


FIG. 6

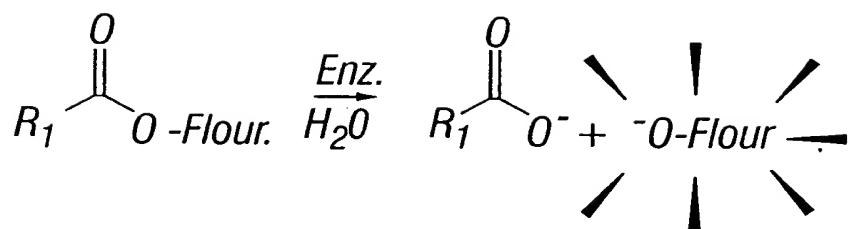


FIG. 7

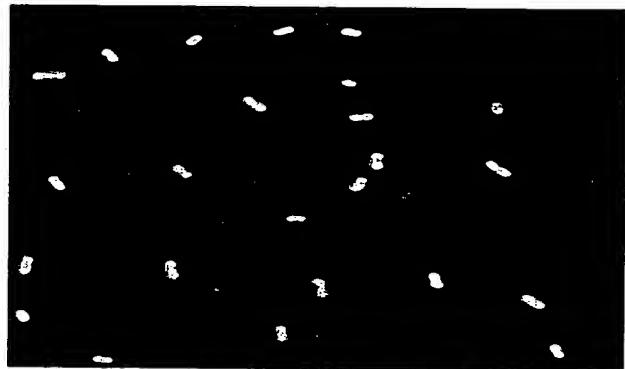


FIG. 8

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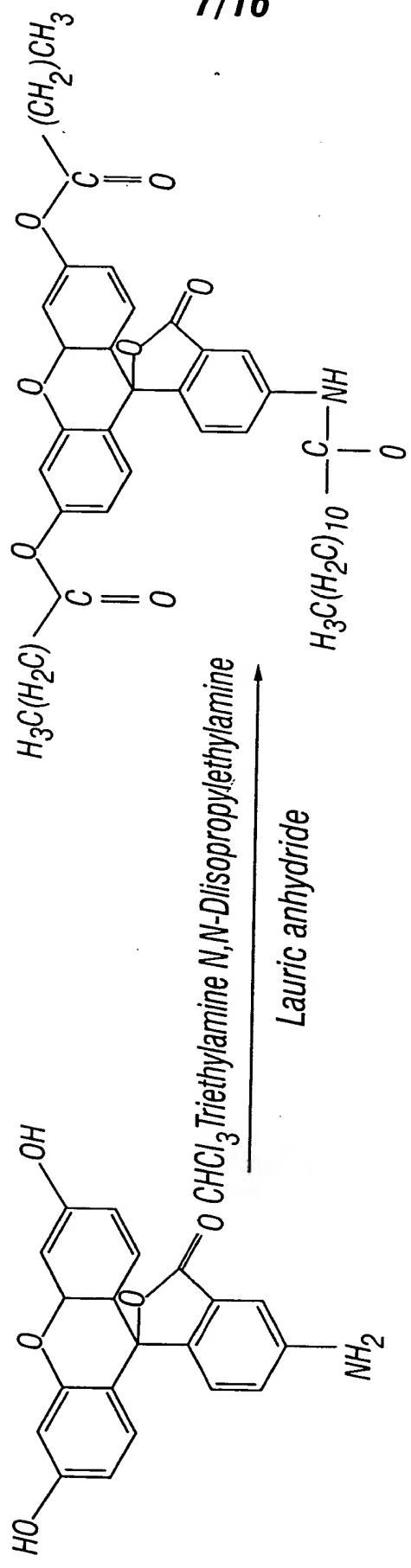


FIG. 9.

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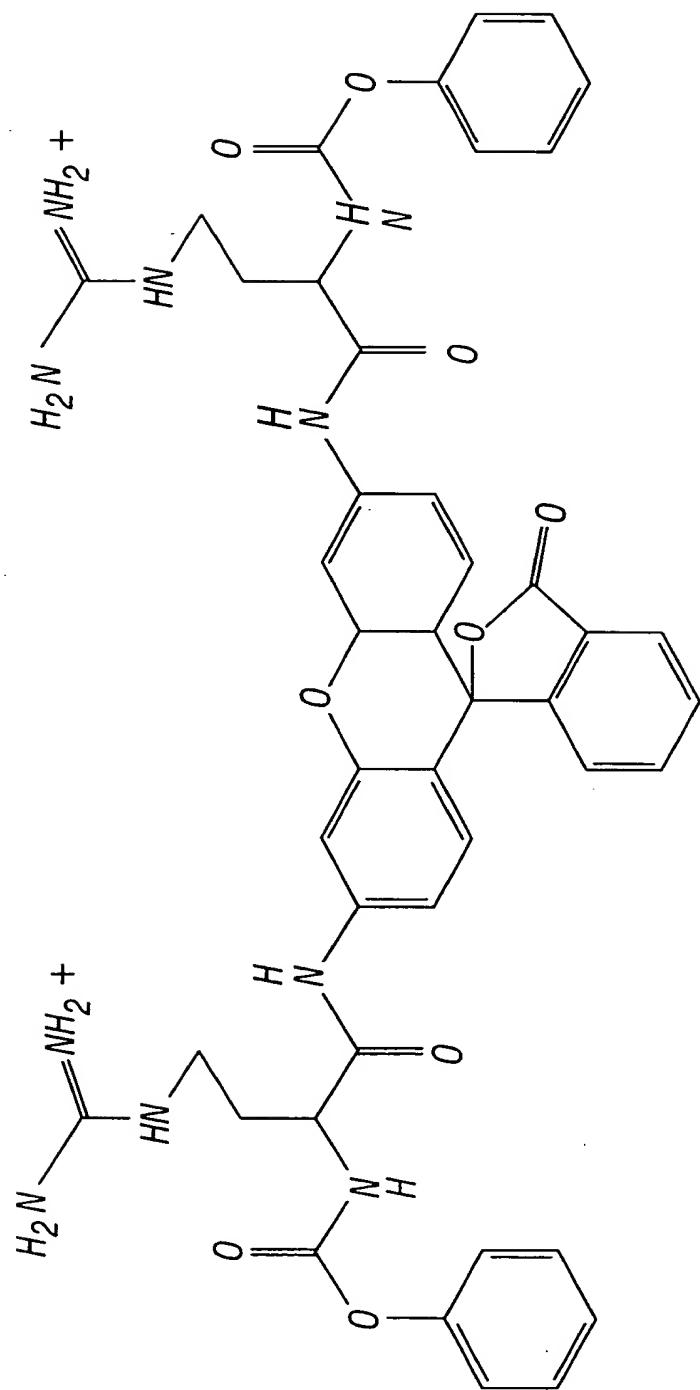


FIG. 10

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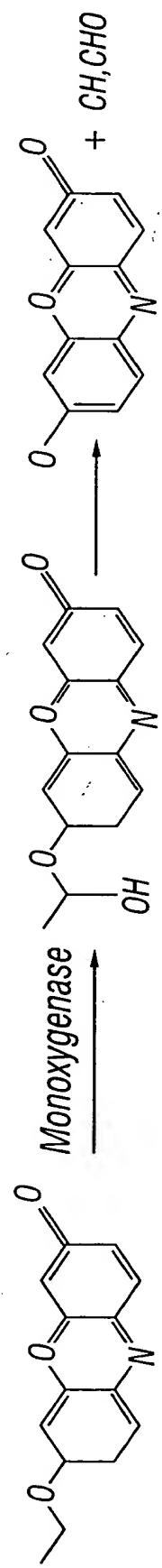


FIG. 11

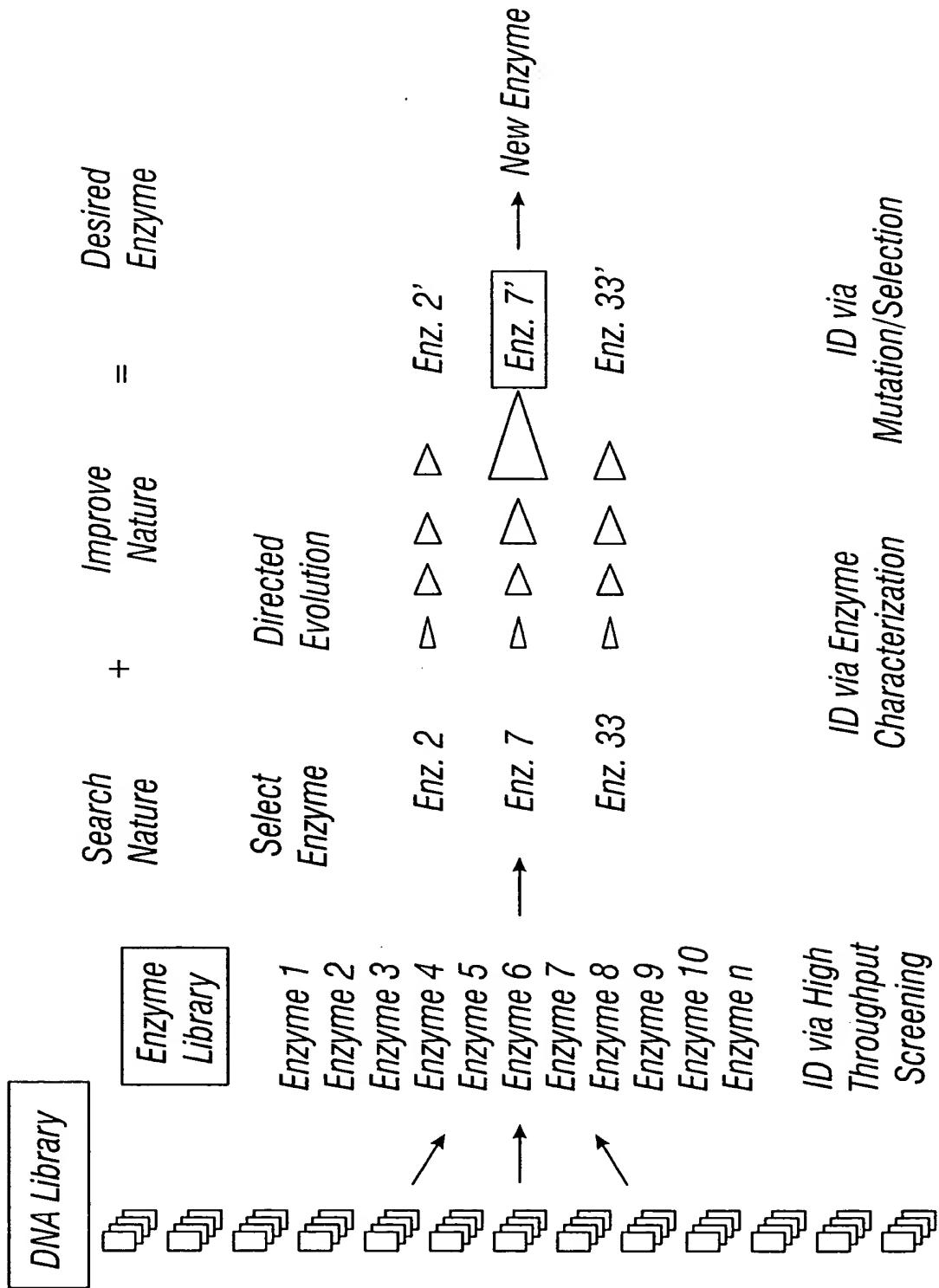


FIG. 12

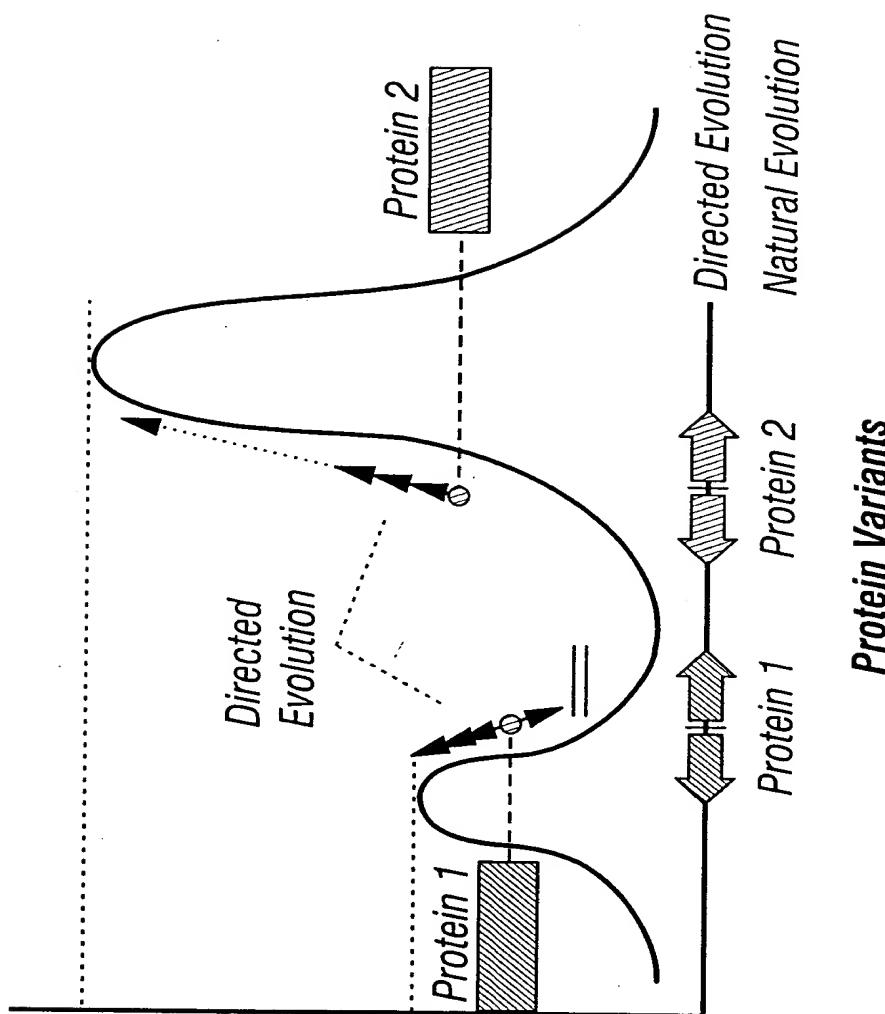
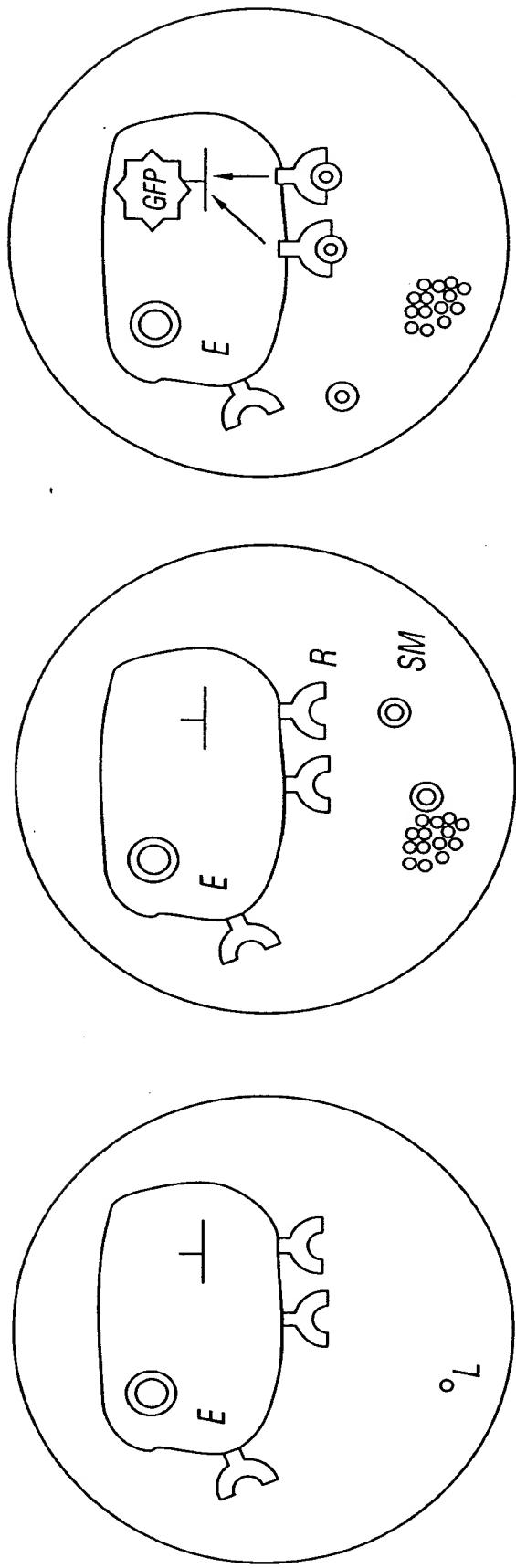


FIG. 13

- T Stabilicity
- Relative Solvent Stabilicity
- Enzyme Expression Level
- Buffer Compatability
- Activity
- Process Compatability



*Growth and expression
of small molecule from host
Library + Eukaryote*

*Receptor binding of small
molecule & GFP reporting*

<i>E = Eukaryotic assay organism</i>	<i>L = Large insert library</i>	<i>SM = Small molecule</i>
<i>GFP = Green fluorescent protein</i>	<i>R = Eukaryotic receptor</i>	

FIG. 14

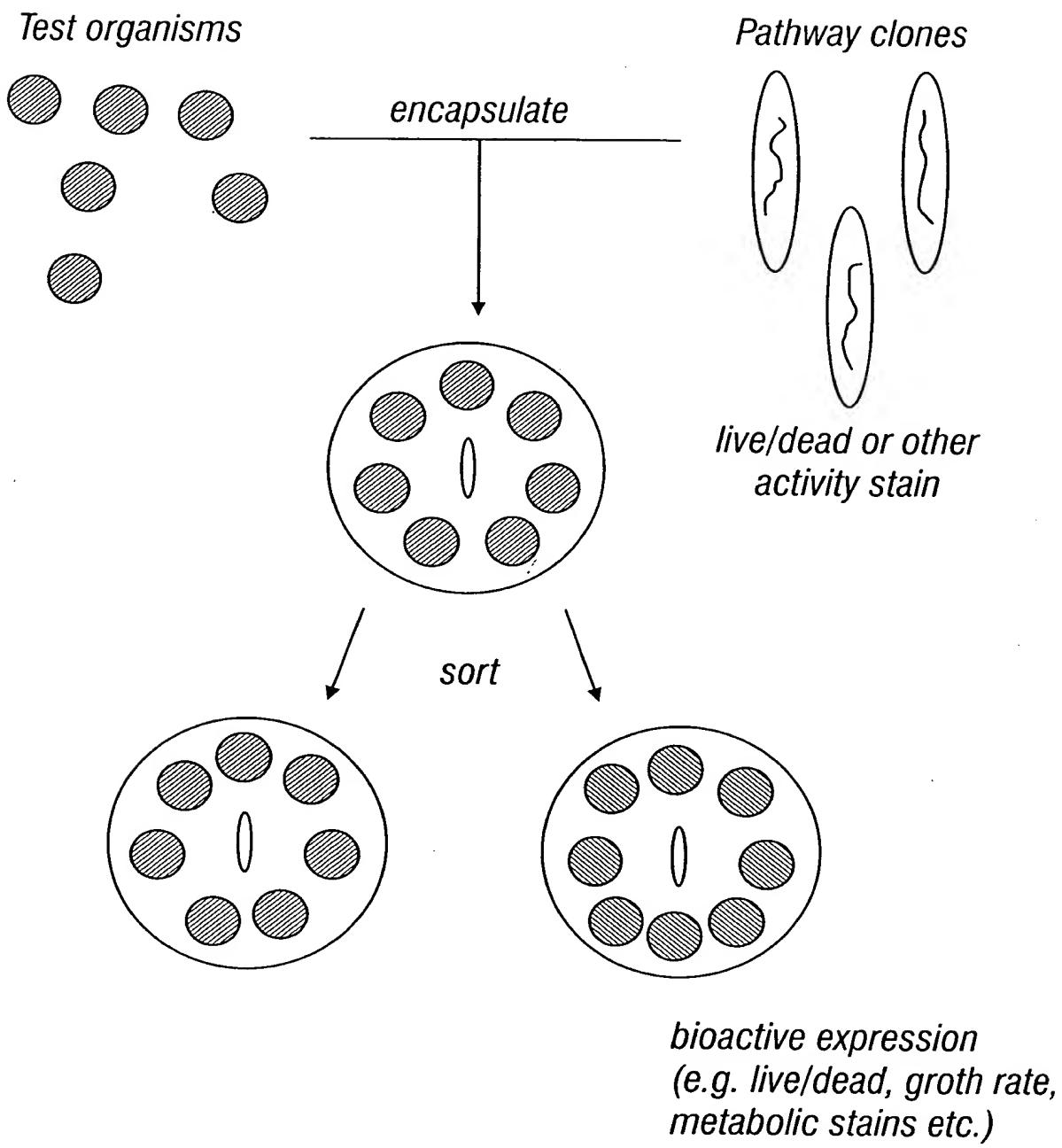
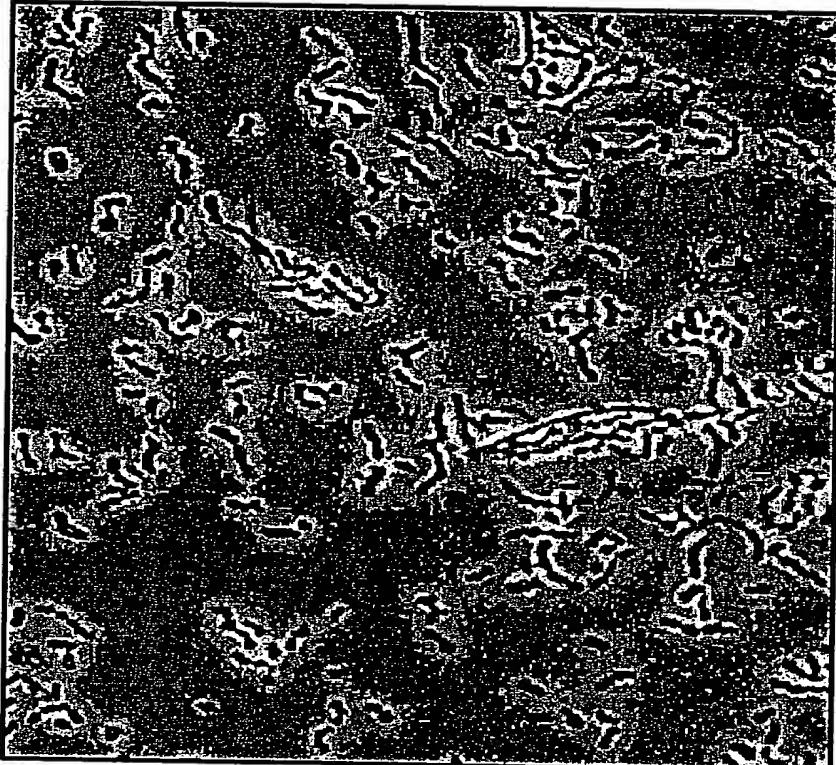


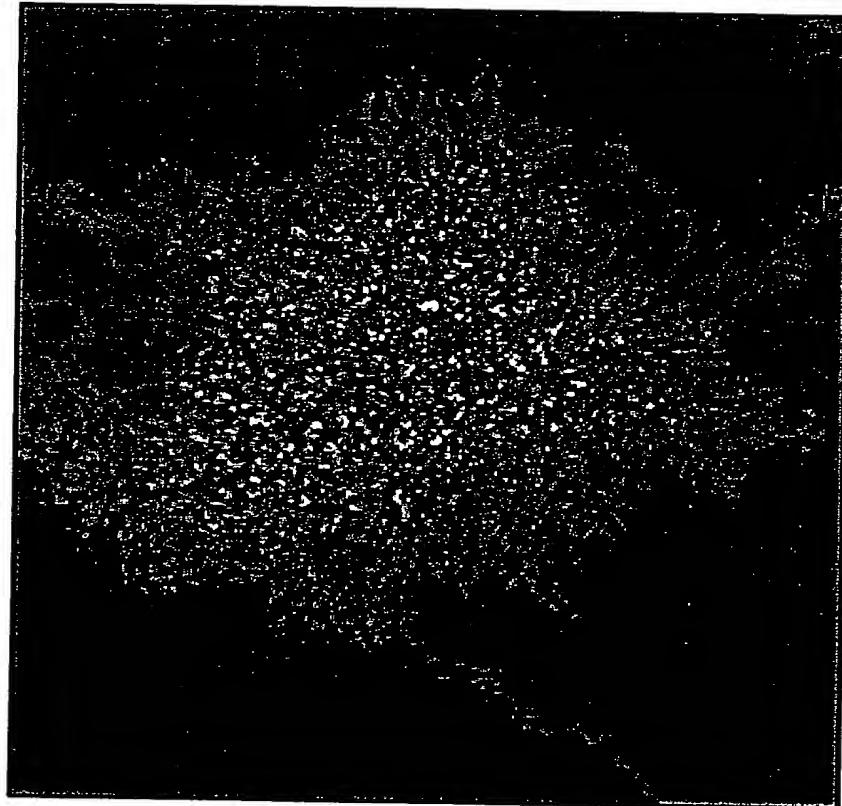
FIG. 15

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TELESO 50° 58° 60° 60



Streptomyces "diversa"
Unicells



Streptomyces lividans
mycelia

FIG. 16

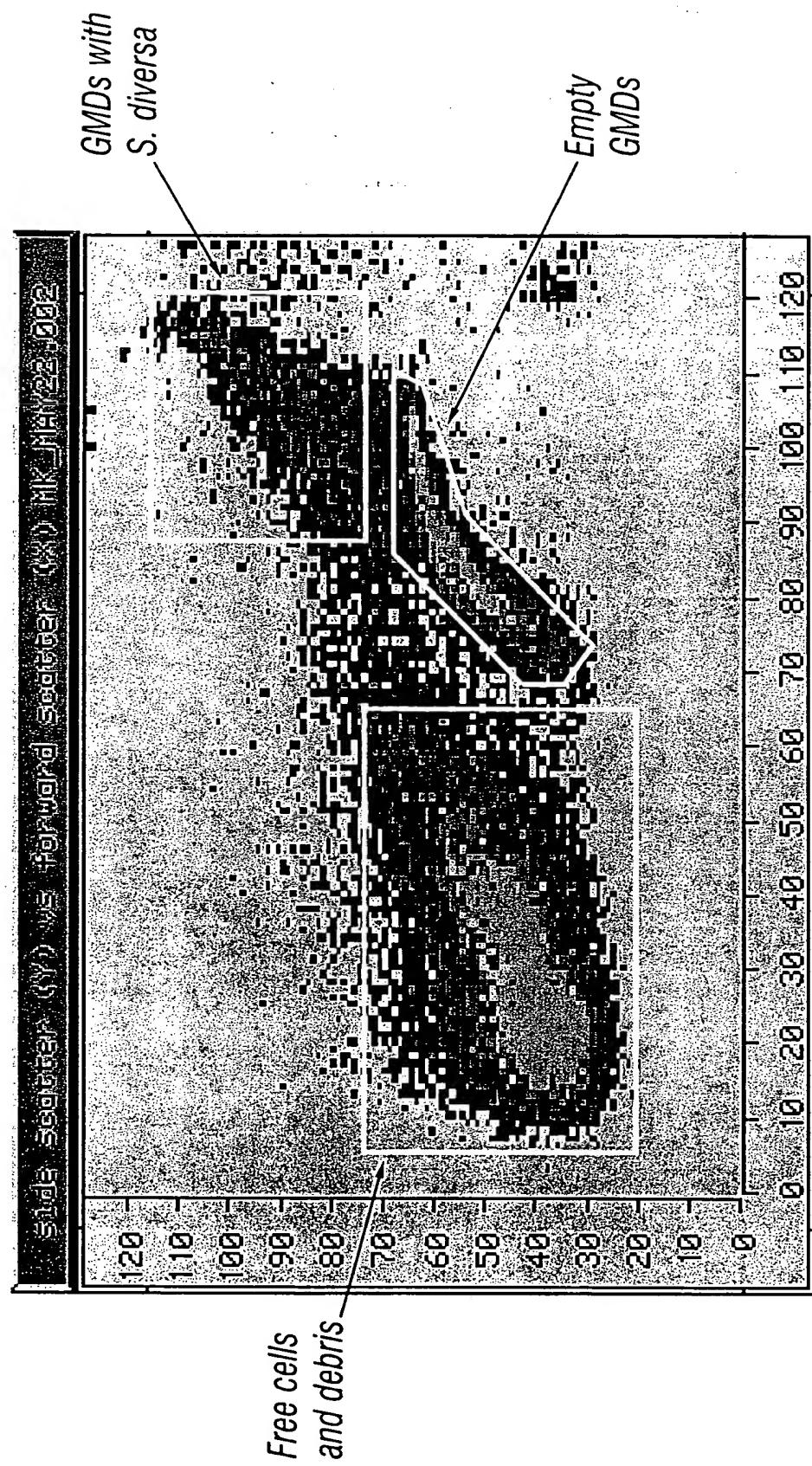


FIG. 17

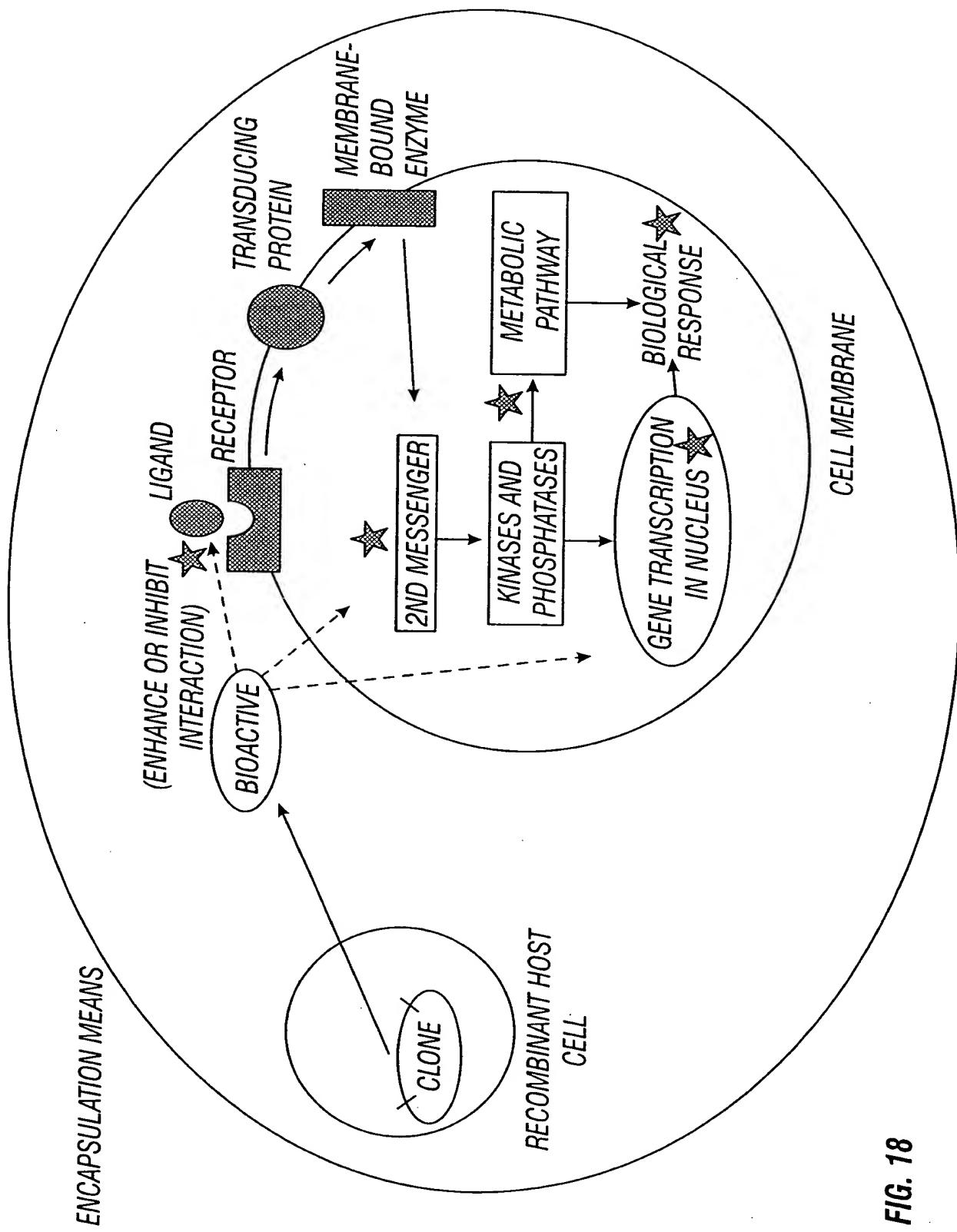


FIG. 18